

Date: Tue, 14 Jun 94 04:30:10 PDT
From: Ham-Ant Mailing List and Newsgroup <ham-ant@ucsd.edu>
Errors-To: Ham-Ant-Errors@UCSD.Edu
Reply-To: Ham-Ant@UCSD.Edu
Precedence: Bulk
Subject: Ham-Ant Digest V94 #185
To: Ham-Ant

Ham-Ant Digest Tue, 14 Jun 94 Volume 94 : Issue 185

Today's Topics:

 AM Antenna
 Antenna radiation pattern charts
 HF Mobile Antennas
 Hygain 64-B Manual
 Rotator Cable Connectors
 TV antenna question

Send Replies or notes for publication to: <Ham-Ant@UCSD.Edu>
Send subscription requests to: <Ham-Ant-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

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(by FTP only) from UCSD.Edu in directory "mailarchives/ham-ant".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 14 Jun 1994 01:51:02 -0400
From: ihnp4.ucsd.edu!library.ucla.edu!europa.eng.gtefsd.com!sundog.tiac.net!
news.sprintlink.net!deathstar.cris.com!deathstar.cris.com!not-for-
mail@network.ucsd.edu
Subject: AM Antenna
To: ham-ant@ucsd.edu

I'm getting a lot of hum from my stereo's AM RADIO.
Can anyone help in offering a solution to getting rid of this hum?

Note: I have a separate FM Antenna on the roof and I only have rabbit
ears connected to the AM antenna inside my office.

≥ SLMR 2.1a ≥ Stay PointsAhead! of the Crowd

Date: 13 Jun 1994 21:36:47 GMT
From: ihnp4.ucsd.edu!library.ucla.edu!psgrain!news.tek.com!tekgp4.cse.tek.com!
royle@network.ucsd.edu
Subject: Antenna radiation pattern charts
To: ham-ant@ucsd.edu

jbromley@sedona.intel.com (Jim Bromley, W5GYJ):

>. . .Since when is directionality even a defined antenna parameter?? . . .

It isn't, but *directivity* is. It's the ratio of maximum power density to average power density. For a lossless antenna, this equals the gain in dBi in the direction of maximum radiation strength. (For a lossy antenna, the directivity equals the maximum gain in dBi plus the loss in dB.)

Roy Lewallen, W7EL
roy.lewallen@tek.com

Date: 13 Jun 94 21:10:08
From: ihnp4.ucsd.edu!swrinde!gatech!news-feed-1.peachnet.edu!concert!
ashe.cs.unc.edu!news_server!gb@network.ucsd.edu
Subject: HF Mobile Antennas
To: ham-ant@ucsd.edu

I'm looking for recommendations for an antenna for HF mobile. I drive a Plymouth Acclaim and could easily add a light duty trailer hitch if necessary for use as a mounting point. I'd like something that will allow easy band changing.

thanks
gb wa4fut

Date: Mon, 13 Jun 94 17:17:40 PDT
From: ihnp4.ucsd.edu!usc!elroy.jpl.nasa.gov!netline-fddi.jpl.nasa.gov!nntp-server.caltech.edu!mustang.mst6.lanl.gov!newshost.lanl.gov!usenet@network.ucsd.edu
Subject: Hygain 64-B Manual
To: ham-ant@ucsd.edu

I recently bought a used 64-B sans paperwork and would greatly appreciate it if someone could share any information and/or technical drawings on this beast. It is a 4 element 6 meter beam and I am particularly interested in element spacing and gamma match spacing. Thanks for any help you can give. Jerry KC5EGG

ggs@eule.lanl.gov or kc5egg@wb2ars.nm.usa.noam packet.

Date: Mon, 13 Jun 1994 21:38:51 GMT
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!spool.mu.edu!nigel.msen.com!ilium!
rcsuna.gmr.com!kocrsv01!c21rag@network.ucsd.edu
Subject: Rotator Cable Connectors
To: ham-ant@ucsd.edu

In article <Pine.3.05.9406131339.D351-a100000@stargate>, rdixon@stargate.acs.ohio-
state.edu (Bob Dixon) writes:

> It is helpful to have a connector on rotator cables, both at the antenna
> and shack ends, so the cable can be taken apart easily for testing, etc.
> My question is - what type of connector works best for this purpose?
> I originally used octal tube-type connectors, and then switched to 8-pin
> Cinch-Jones connectors, but neither one lasts very long outdoors, even if
> well taped. What is needed is something reasonably waterproof, easily
> available, and of course reasonably priced. At least eight pins
> are required, and each must handle a few amps and up to 115vac.
> Suggestions?
> Bob W8ERD

How about trailer connectors? I don't know what the maximum size is, but
I'm sure I've seen 4 conductor versions. 2 of those would work. They're
reasonably weatherproof and certainly would handle the current.

Roger Grady, K90PO c21rag@kocrsv01.delcoelect.com
Delco Electronics Corp. Kokomo, IN

"All information and opinions are personal unless otherwise stated."

Date: 13 Jun 1994 18:17:03 -0400
From: ihnp4.ucsd.edu!swrinde!howland.reston.ans.net!usenet.ins.cwru.edu!
news.ecn.bgu.edu!psuvax1!coral.bucknell.edu!coral.bucknell.edu!not-for-
mail@network.ucsd.edu
Subject: TV antenna question
To: ham-ant@ucsd.edu

I am trying to receive UHF TV channel 23. The current reception with an
average antenna and 20 dB amp is in color but weak.

Should I buy a dedicated yagi or make a rhombic?
If I make the rhombic, would it help to stack 2 at wavelength / 2 apart
and how would that affect the impedance.
My antenna books only tell part of the story.

Thanks in advance. This is a very educational group.

zorn@bucknell.edu

Date: 13 JUN 94 16:59:36 AST

From: ihnp4.ucsd.edu!swrinde!howland.reston.ans.net!spool.mu.edu!torn!news.unb.ca!
UNBVM1.CSD.UNB.CA@network.ucsd.edu

To: ham-ant@ucsd.edu

References <13JUN94.01395334.0048@UNBVM1.CSD.UNB.CA>,
<steve-130694120533@brainiac.hi.com>, <2ti6l1\$bfe@cascade.ens.tek.com>
Subject : Re: 80 Meter Receiving Loop

In article <2ti6l1\$bfe@cascade.ens.tek.com> t1terryb@cascade.ens.tek.com (Terry Burge) writes:

>

>I am wanting to build one of these but I don't have any articles on them.

>I take it from the discussion you have 6 turns of wire, 18 inches in diameter

No. Picture a square box, with 4 sides 18 in. each. You need 6 turns, spaced 0.6 in. apart (the box, which can be made of cardboard, is 18"x18"x6") The coupling to the receiver is a form of gamma match, resonated with either a 75 pF variable capacitor, (for 80 m) or a 200 pF, which covers 1750-5000 mhz.

You do your winding counter-clockwise using a single conductor pvc covered 0.6 mm-diameter wire (Size #22?) The same wire is used for the gamma match coupling turn which is tapped onto the main winding 4" from the top left-hand corner of the first (?) turn. It is run alongside the first loop turn and touching it.

In the article he recommends RG59 coax, but in the parts list he recommends RG58.

The gamma match goes to the center conductor of your coax and both extremities of the wire go to the outside conductor with your C1 (Var. capacitor)

I am not sure what I did wrong, but it simply does not work at all.

Good luck

73 de Luis Nadeau Ve9LN

>to a variable capacitor and a single second loop connected to the receiver.
>Where do you come off the secondary loop, at a corner or in the middle of
>a side? Or does it matter? Also, as I recall reading about loop antennas,
>they are suppose to be less than a tenth of a wavelength long at the operating
>frequency. Is that correct or could the loop be improved by making it larger?
>
>Terry
>
>.
>.

End of Ham-Ant Digest V94 #185
